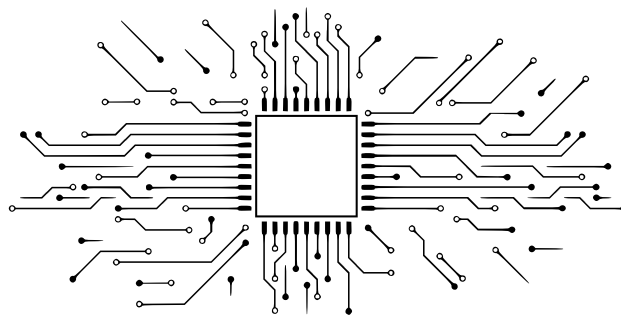


**Lauflicht**

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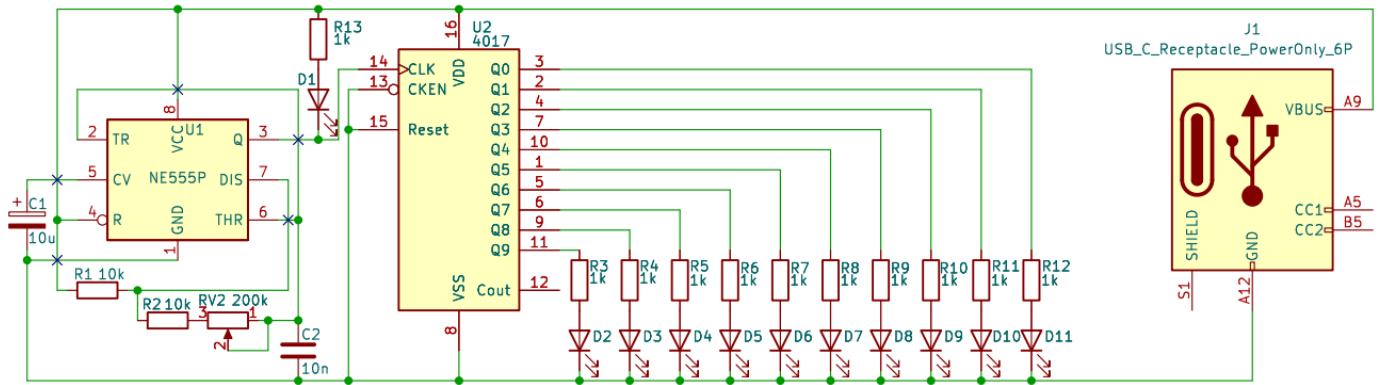
09.12.2024

**Samuel Findenig  
2AHEL**



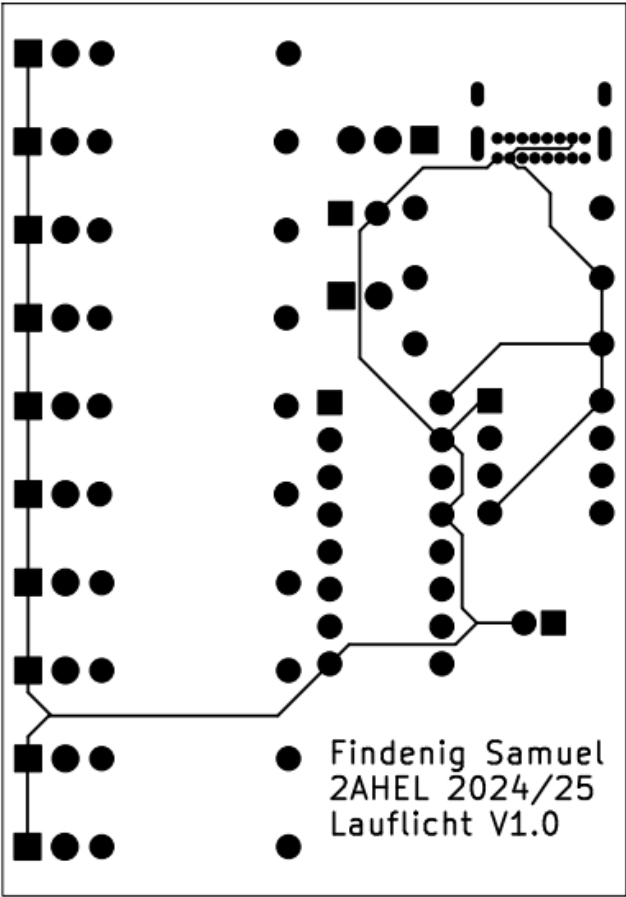
**HWE - FTKL**

## Schaltplan:

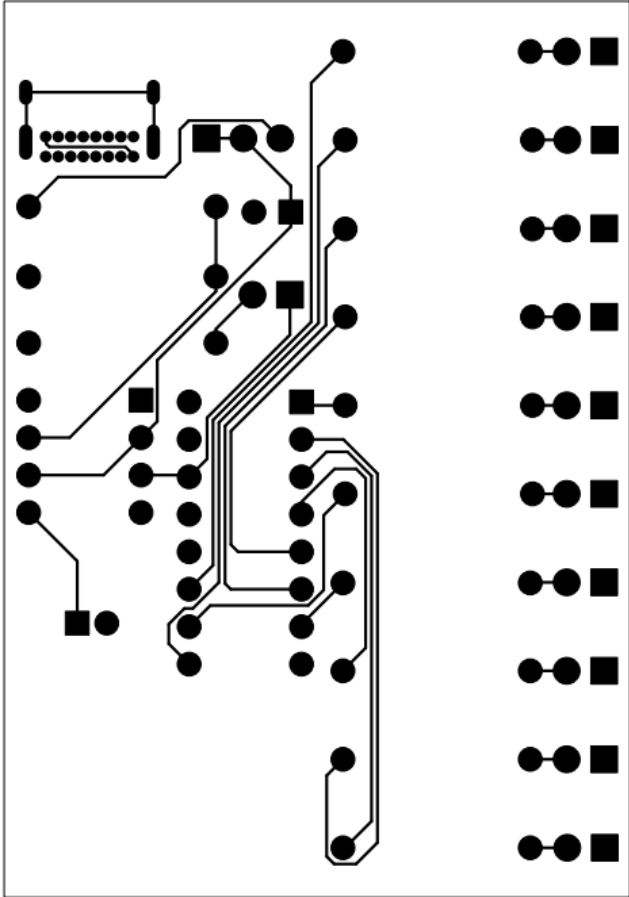


Layout

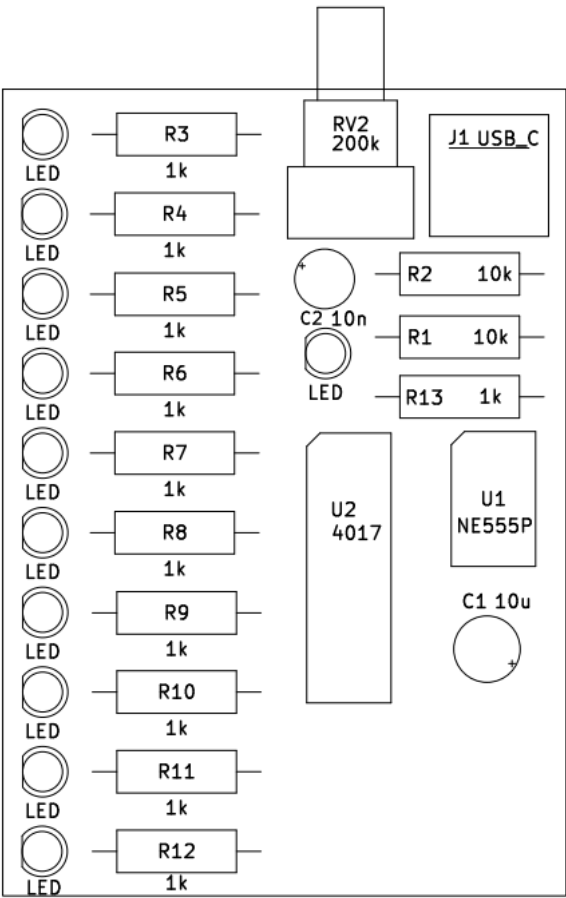
Top



Bottom



Bestückungsplan



## Stückliste

Bezeichner	Footprint	Stückzahl	Bezeichnung
$D_{1-11}$	LED_D3.0mm_FlatTop	11	LED - Rot
$R_{3-13}$	R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	11	$1k\Omega$
$U_1$	DIP-8_W7.62mm	1	NE555P
$R_{1,2}$	R_Axial_DIN0309_L9.0mm_D3.2mm_P12.70mm_Horizontal	2	$10k\Omega$
$C_1$	CP_Radial_D5.0mm_P2.00mm	1	$10\mu F$
$C_2$	CP_Radial_Tantal_D4.5mm_P2.5mm	1	$10nF$
$J_1$	USB_C_Receptacle_GCT_USB4085	1	USB_C
$U_2$	DIP-16_W7.62mm	1	4017
$R_{V_2}$	Potentiometer_Alps_RK09Y11_Single_Horizontal	1	$200k\Omega$

## Kostenabschätzung

Bezeichner	Stückzahl	Bezeichnung	Einzel p.	Gesamt p.	Quelle
$D_{1-11}$	11	LED - Rot	0.10€	1.10€	Mouser
$R_{3-13}$	11	$1k\Omega$	0.05€	0.55€	Reichelt
$U_1$	1	NE555P	0.50€	0.50€	Conrad
$R_{1,2}$	2	$10k\Omega$	0.05€	0.10€	RS Components
$C_1$	1	$10\mu F$	0.20€	0.20€	DigiKey
$C_2$	1	$10nF$	0.30€	0.30€	Mouser
$J_1$	1	USB_C	1.50€	1.50€	Farnell
$U_2$	1	4017	0.60€	0.60€	TME
$R_{V_2}$	1	$200k\Omega$	1.00€	1.00€	Alps
<b>Summe:</b>				5.58€	

# DRC

